

3700  
1-22

54  
100

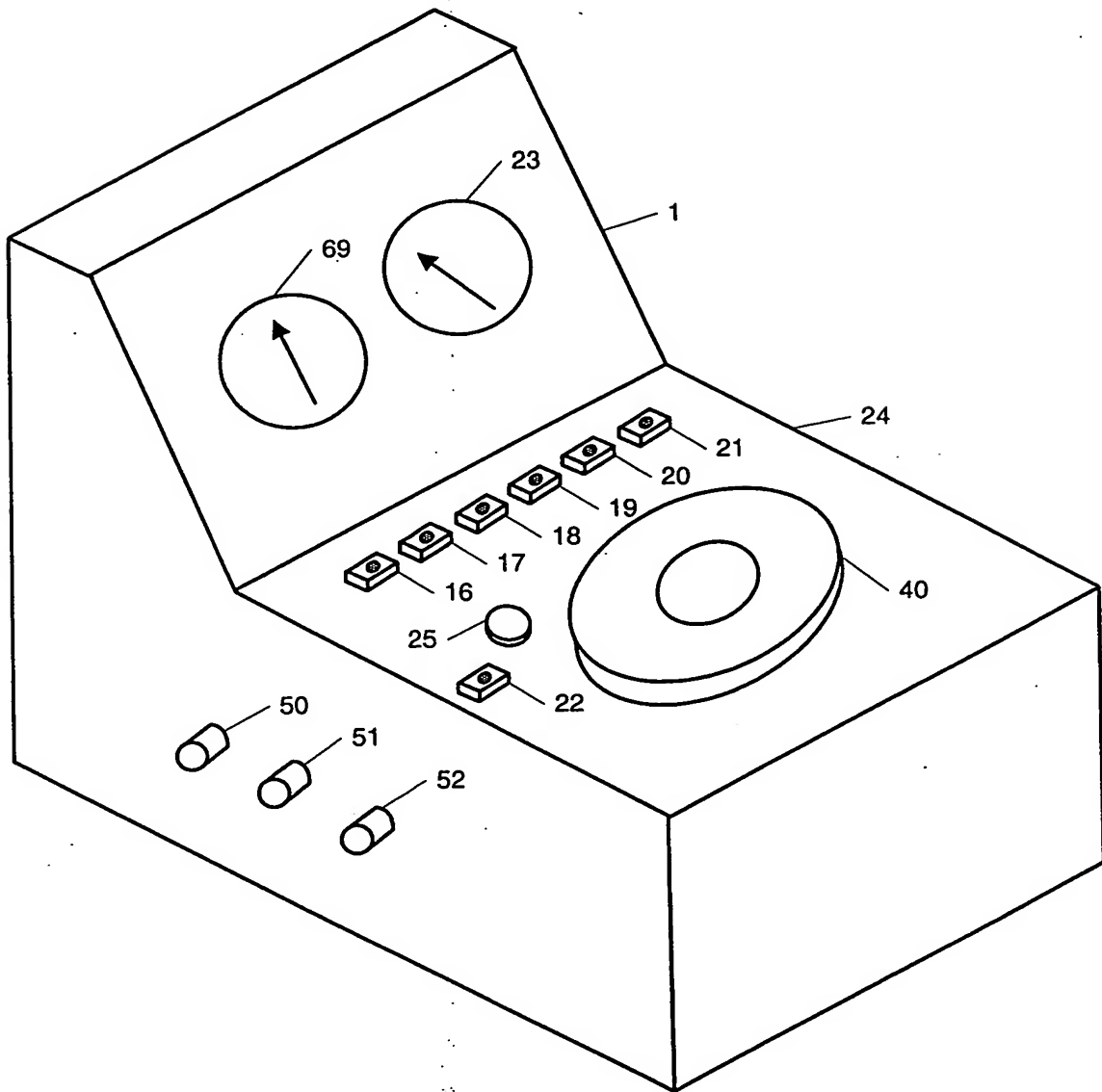
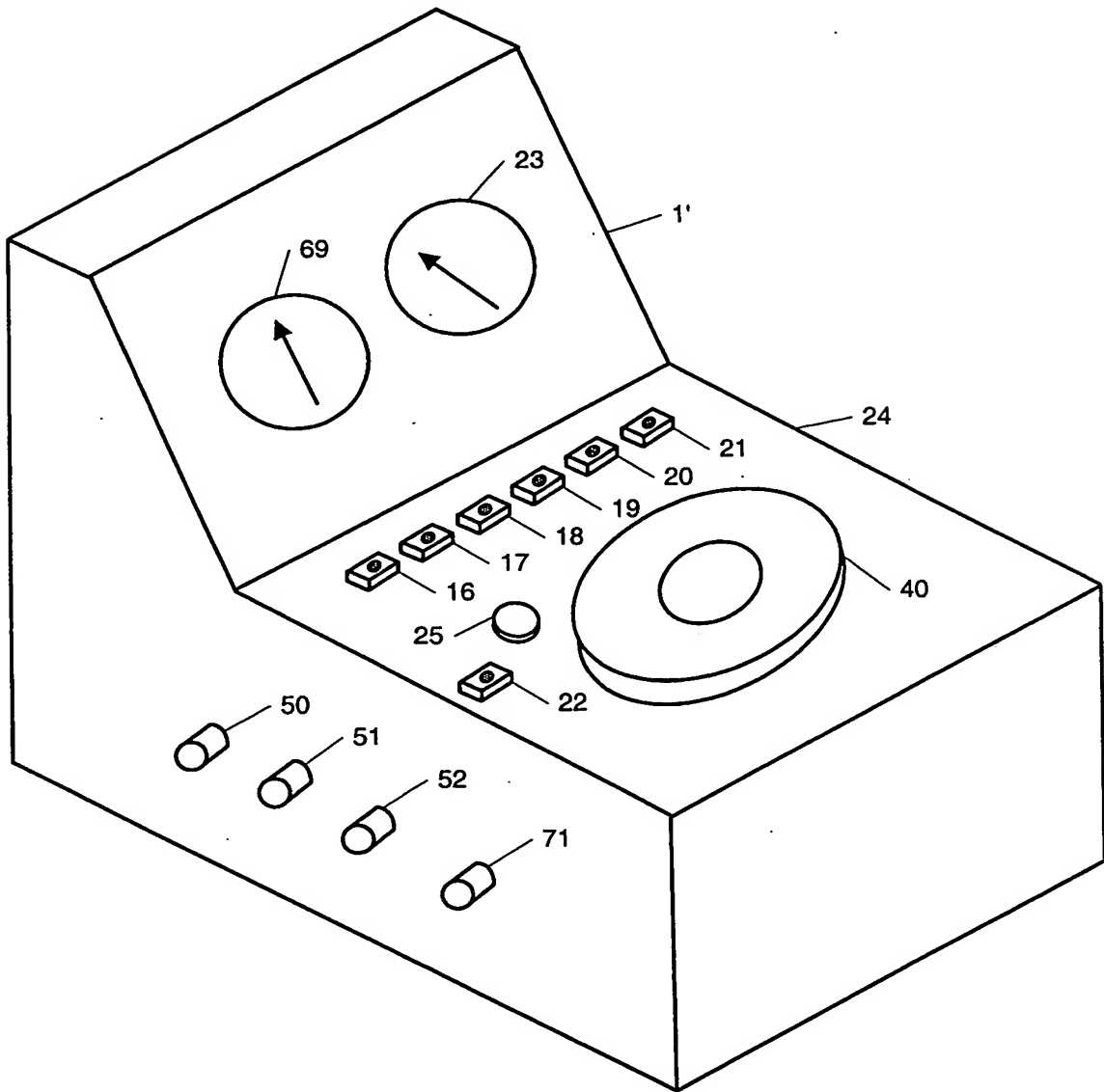
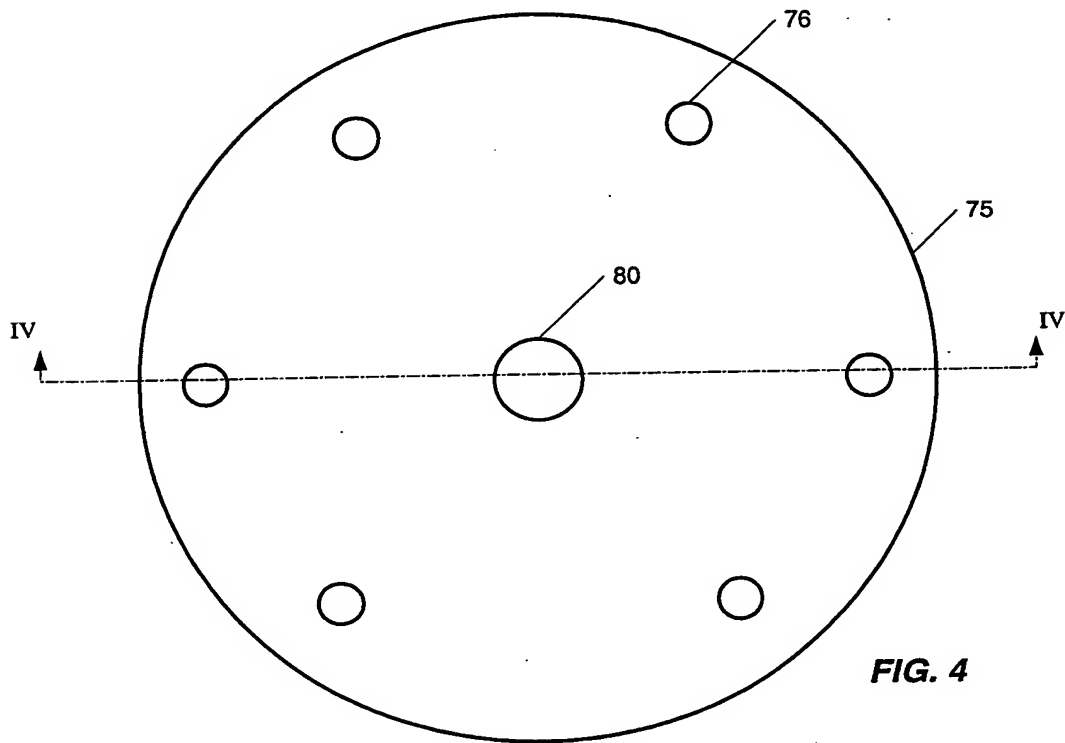
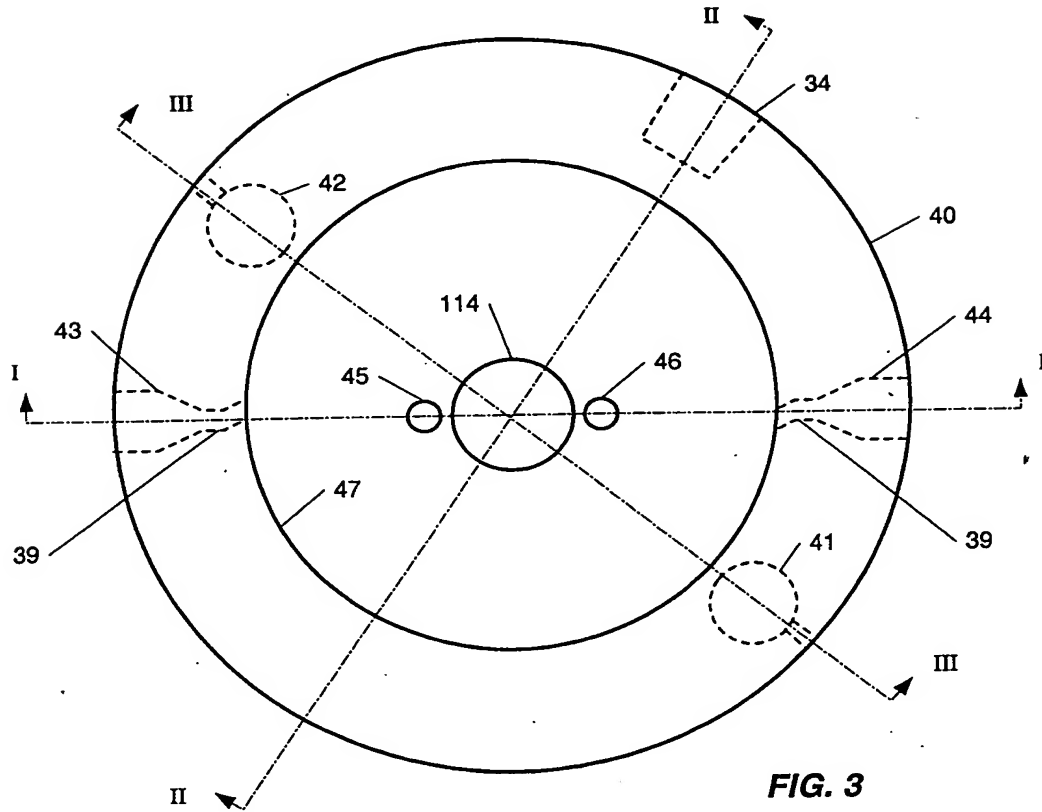


FIG. 1

10022312001



**FIG. 2**



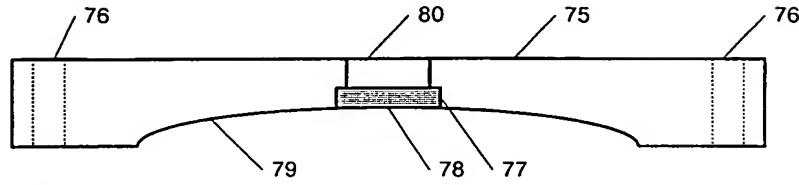


FIG. 5

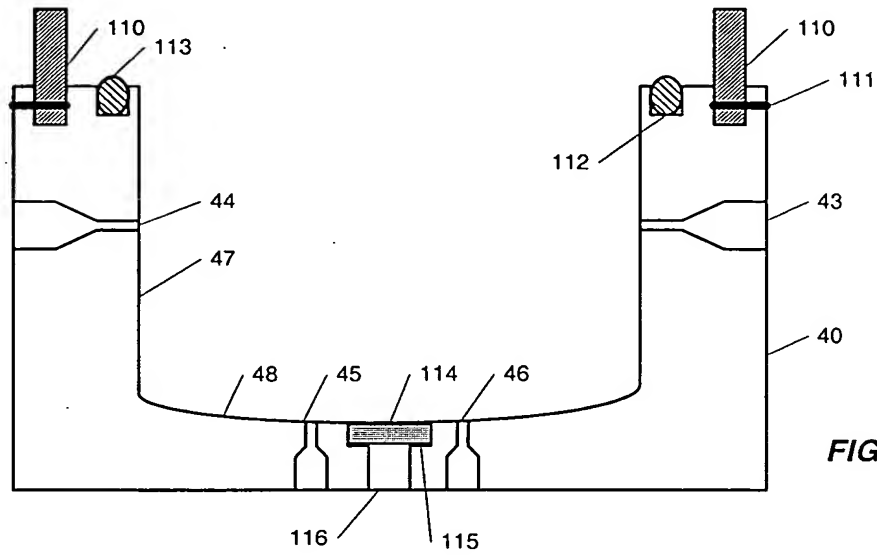


FIG. 6

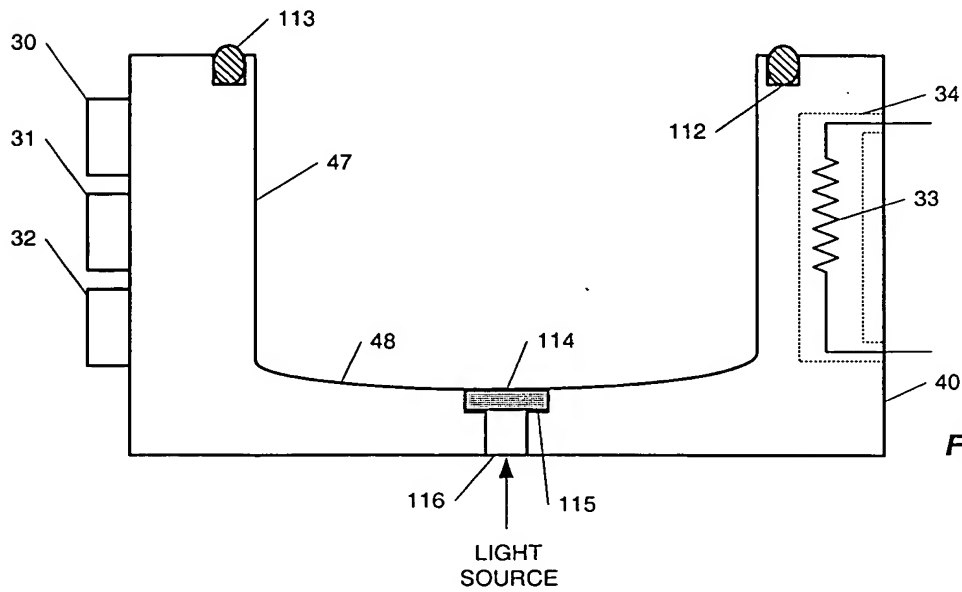
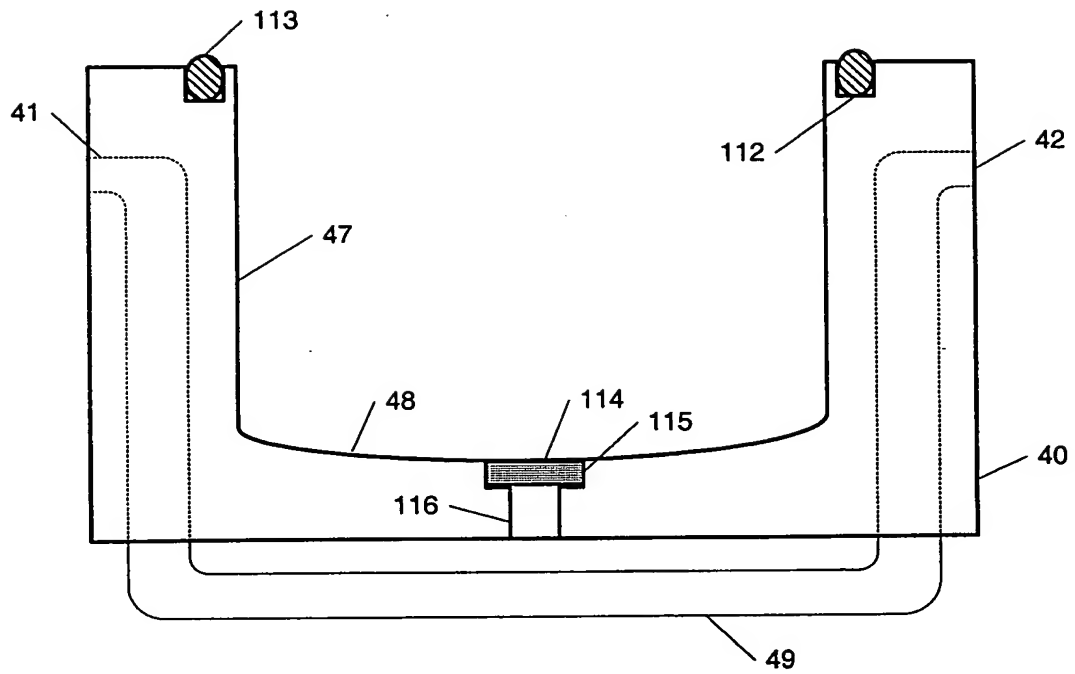


FIG. 7



**FIG. 8**

FIG. 8

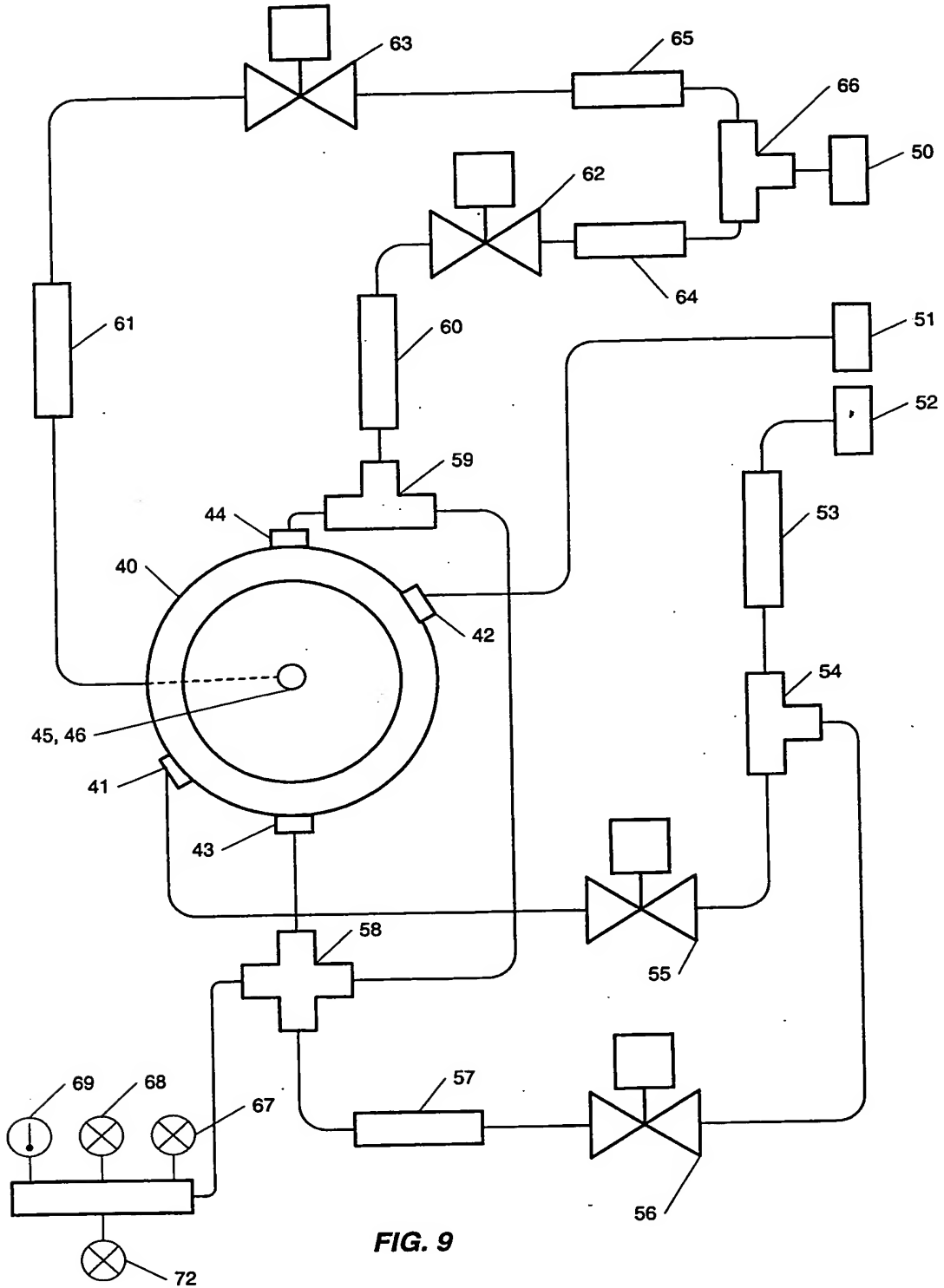


FIG. 9

10002243 100504  
10002243 100504

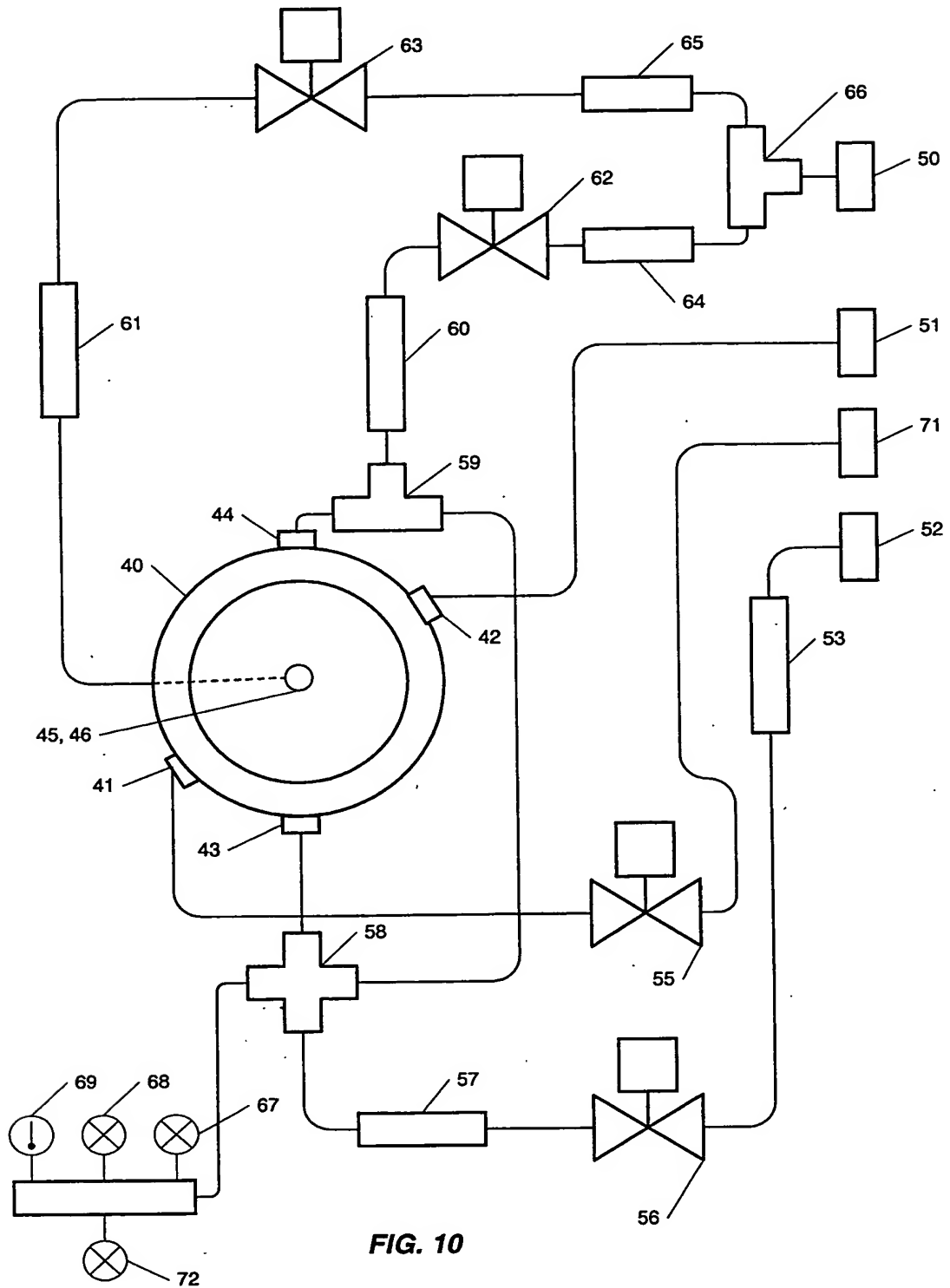


FIG. 10

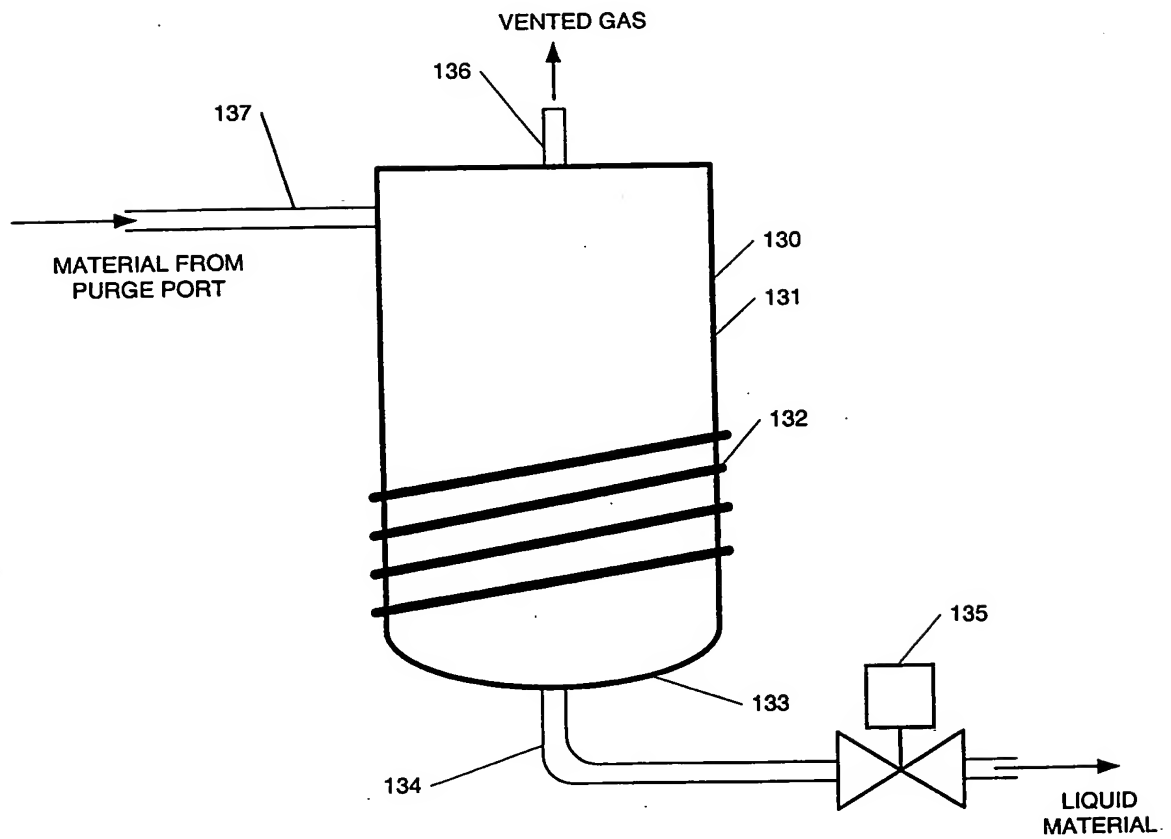
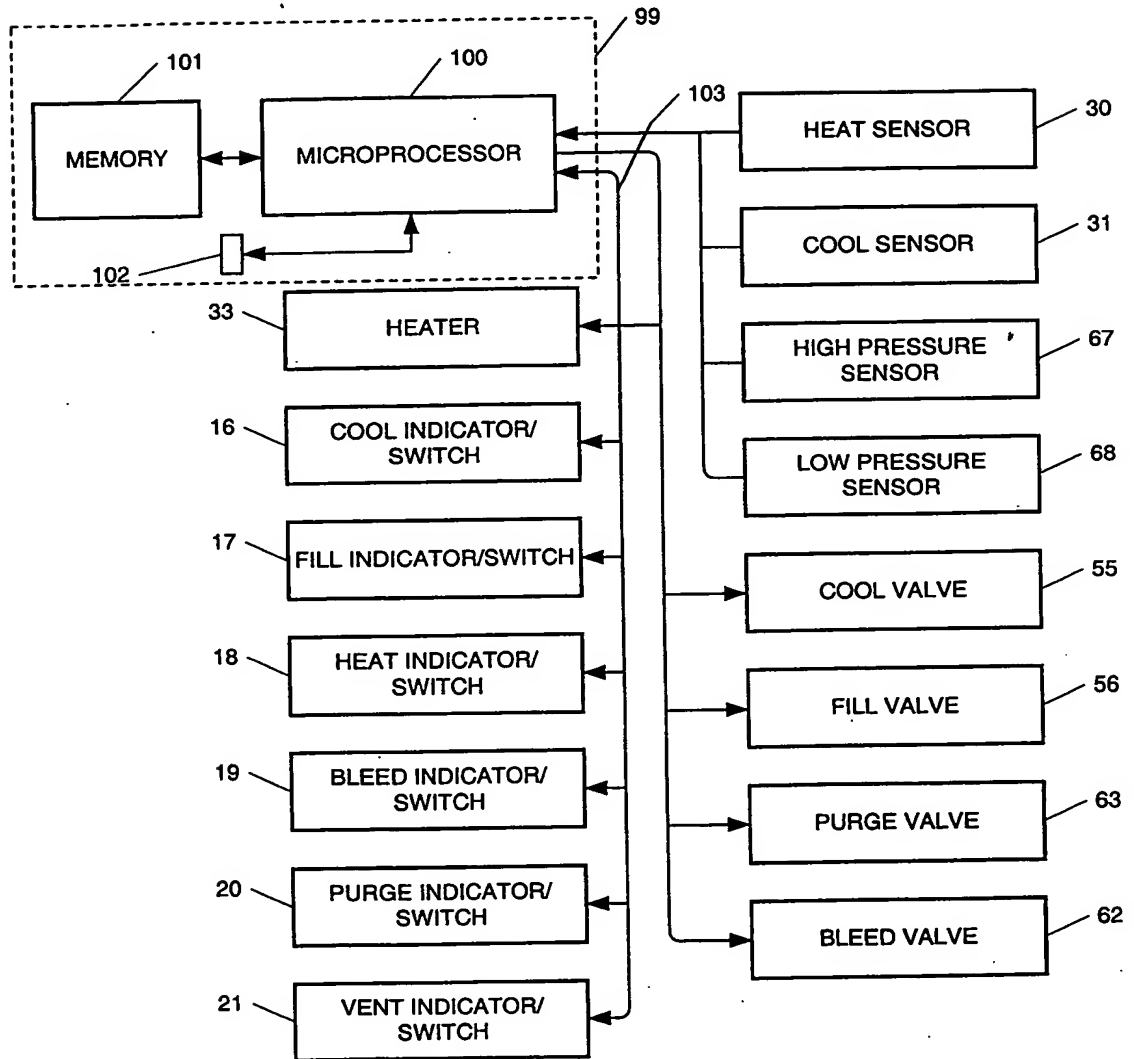
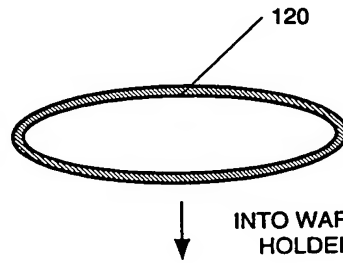


FIG. 11

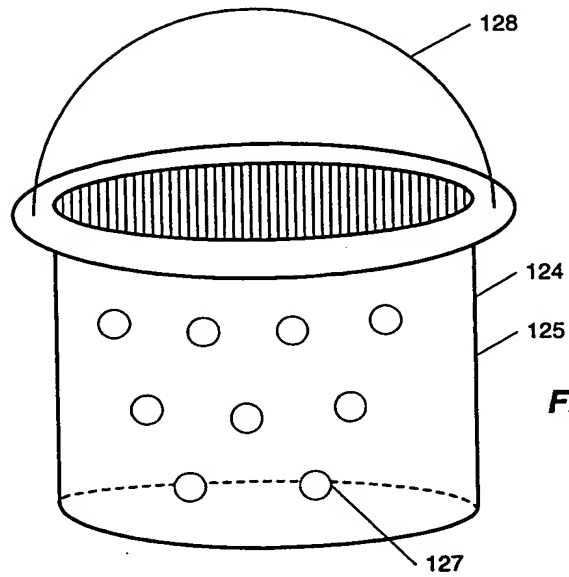




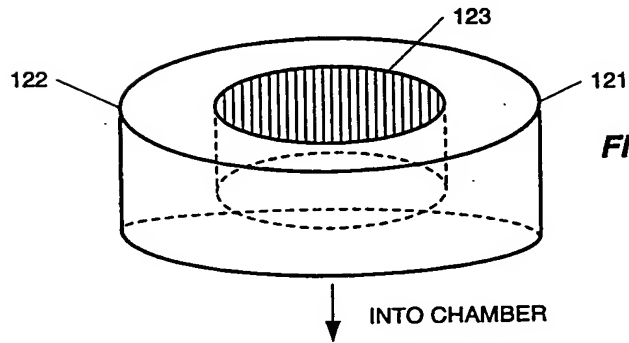
**FIG. 12**



**FIG. 13A**



**FIG. 13B**



**FIG. 13C**

FIG. 13A

FIG. 13E

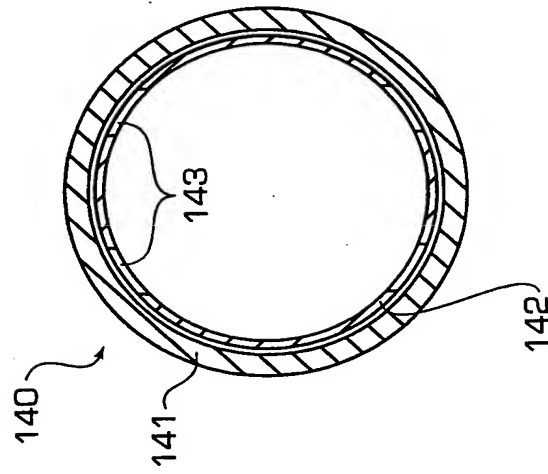


FIG. 13D

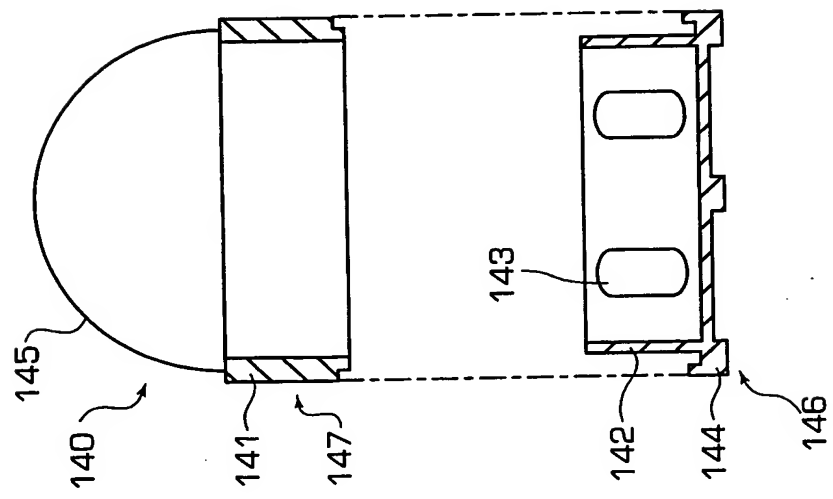


FIG. 13H

FIG. 13H  
FLOW THROUGH POSITION

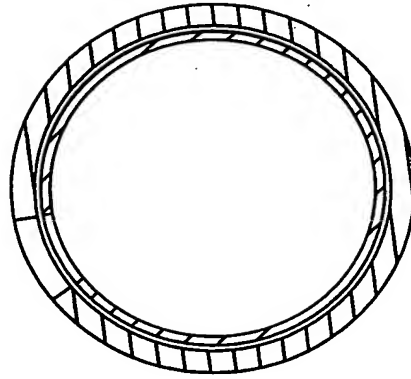


FIG. 13F  
SEALED POSITION

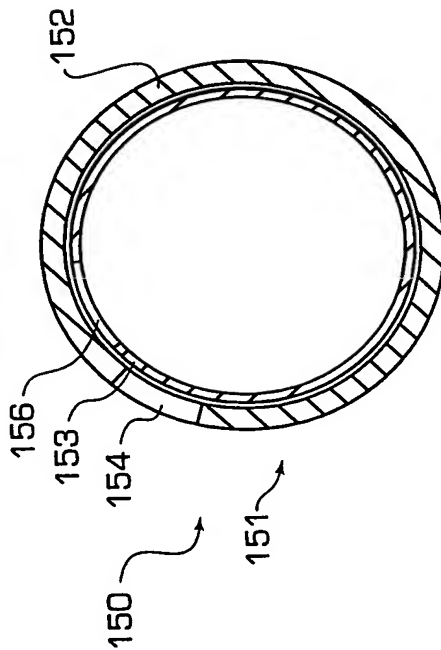


FIG. 13I

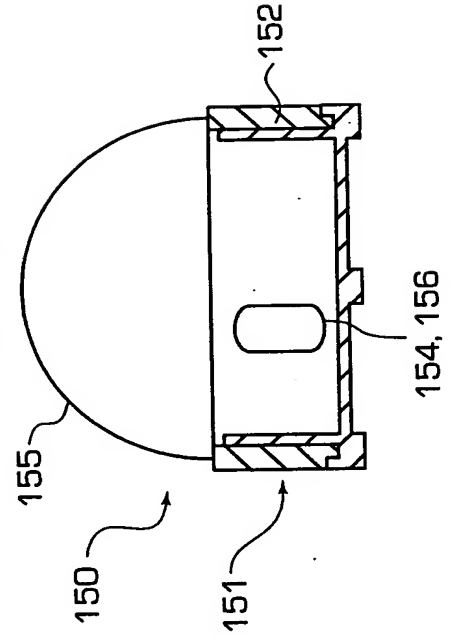


FIG. 13G

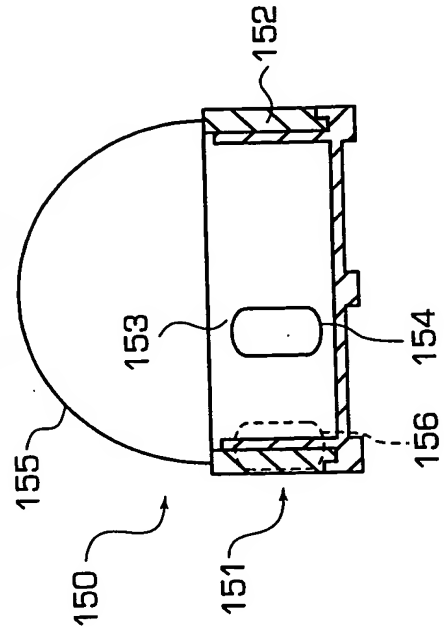


FIG. 13J

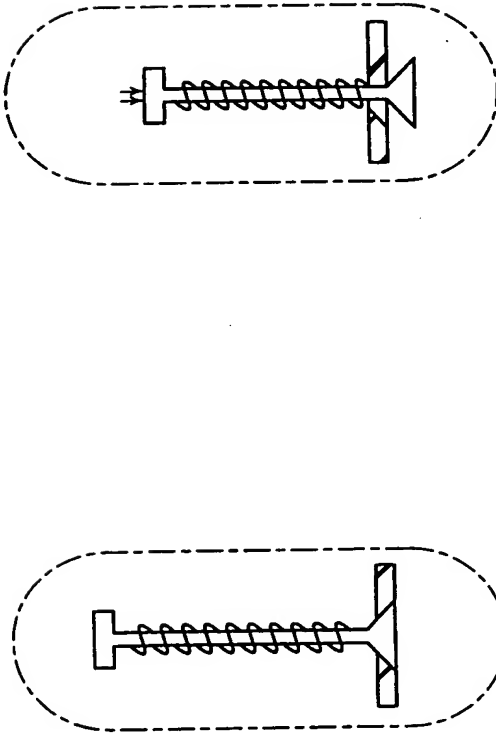


FIG. 13K  
SEALED

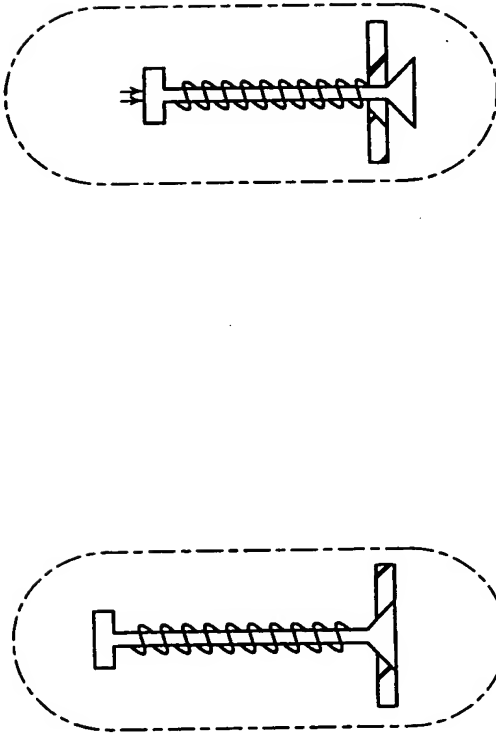


FIG. 13L  
FLOW THROUGH

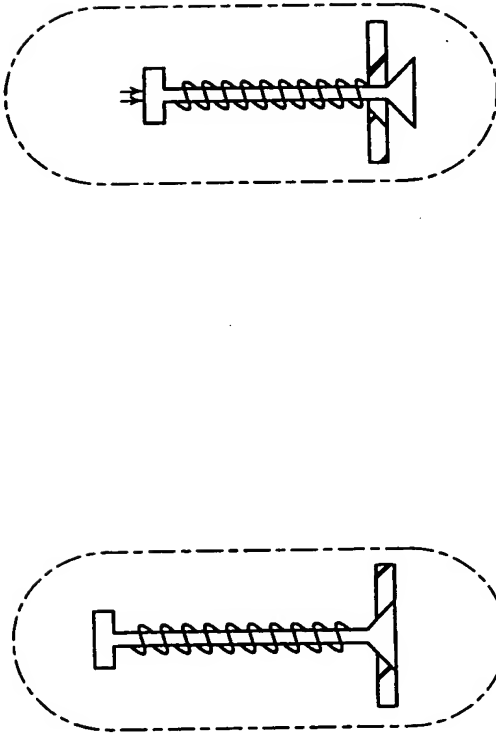


FIG. 13J

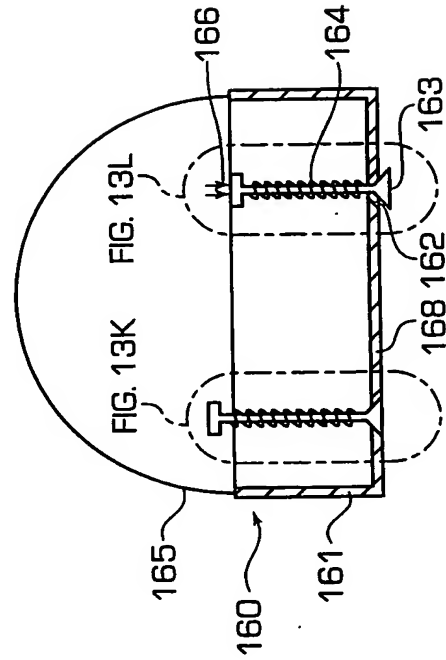


FIG. 13N  
FLOW THROUGH

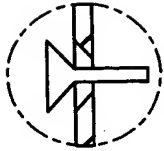


FIG. 13M  
SEALED

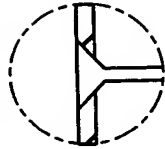
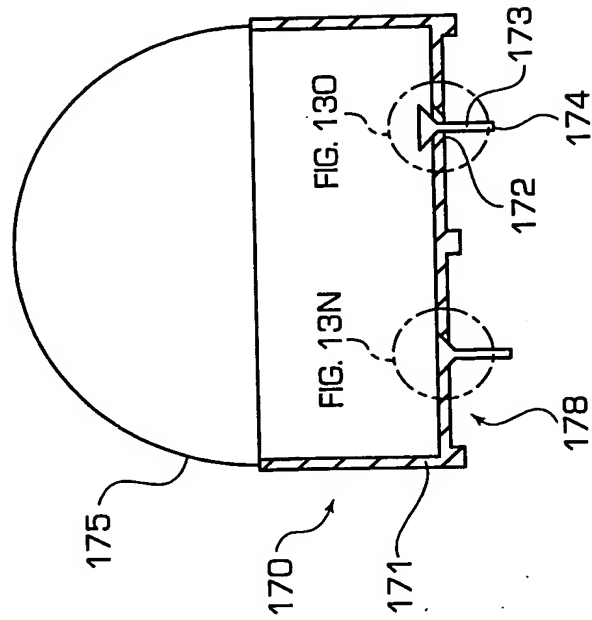


FIG. 13M



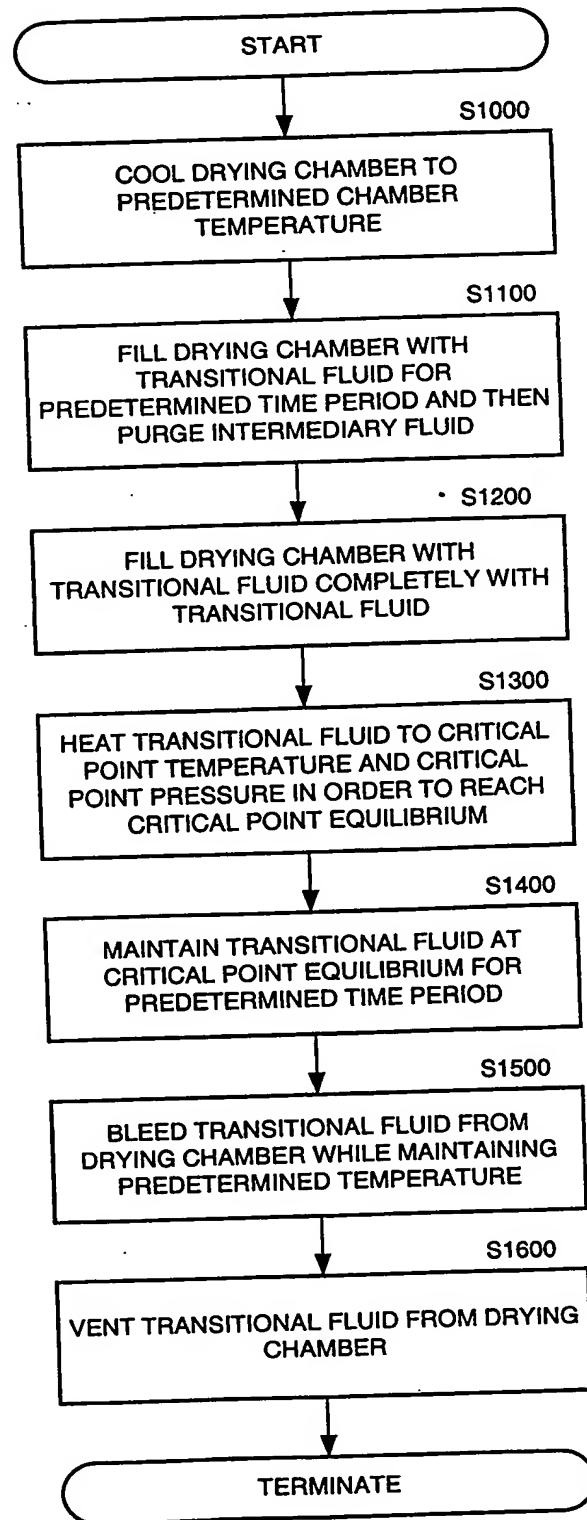


FIG. 14

4006242 40504

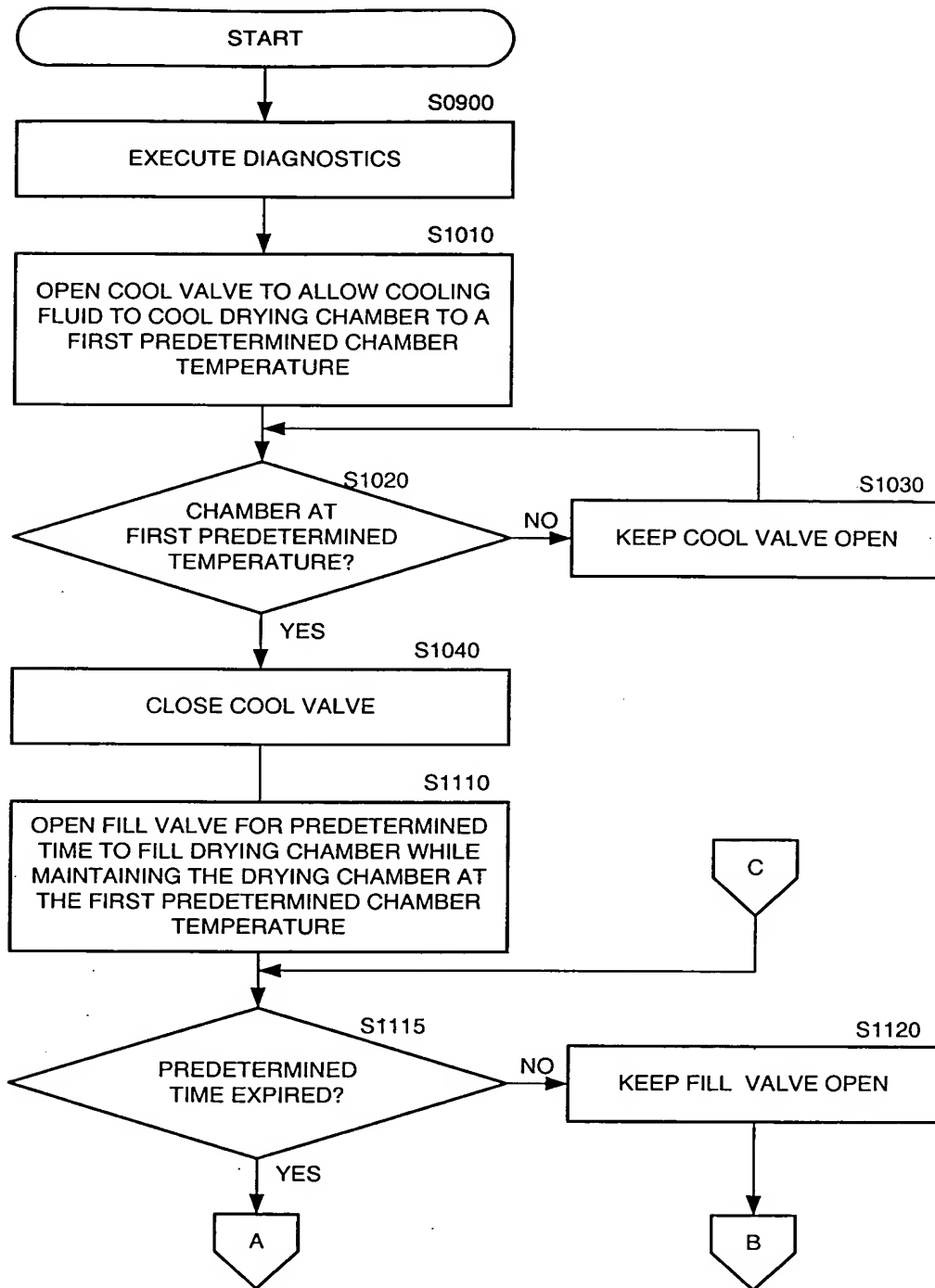


FIG. 15A



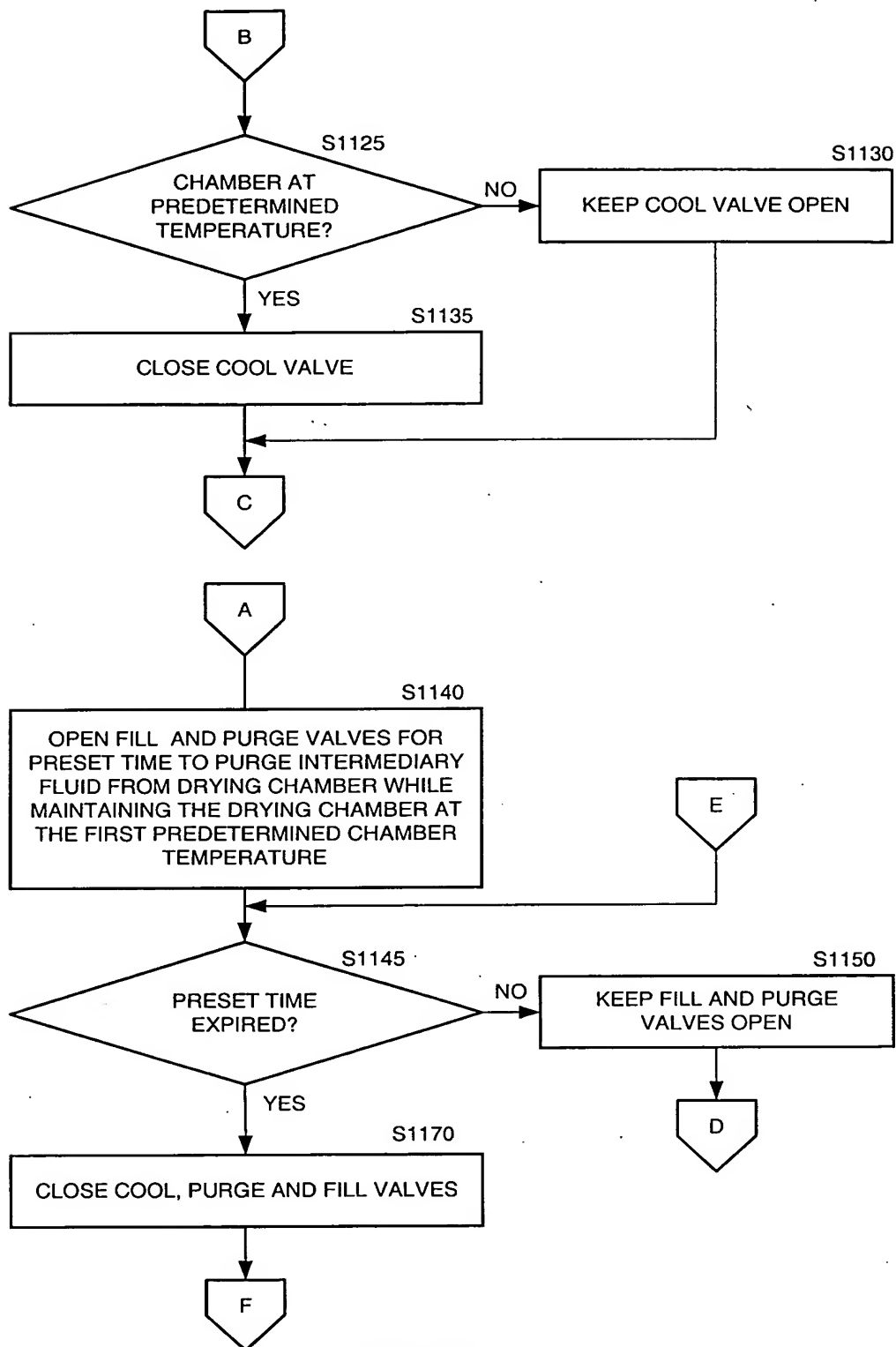
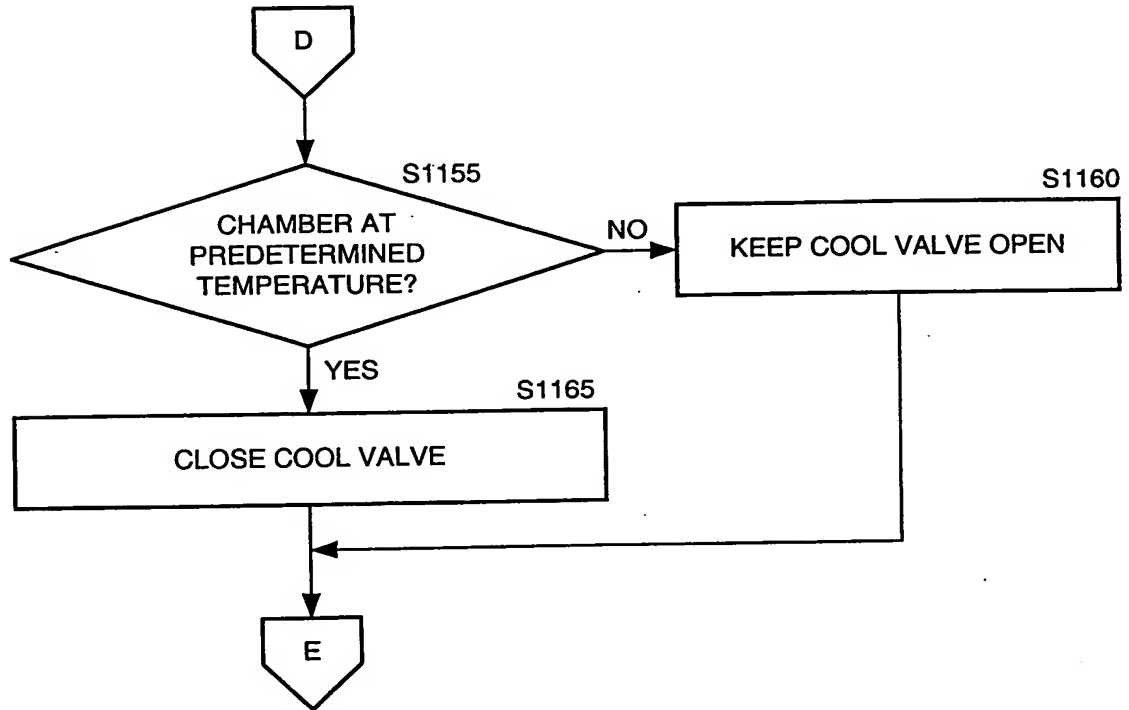


FIG. 15B



**FIG. 15C**

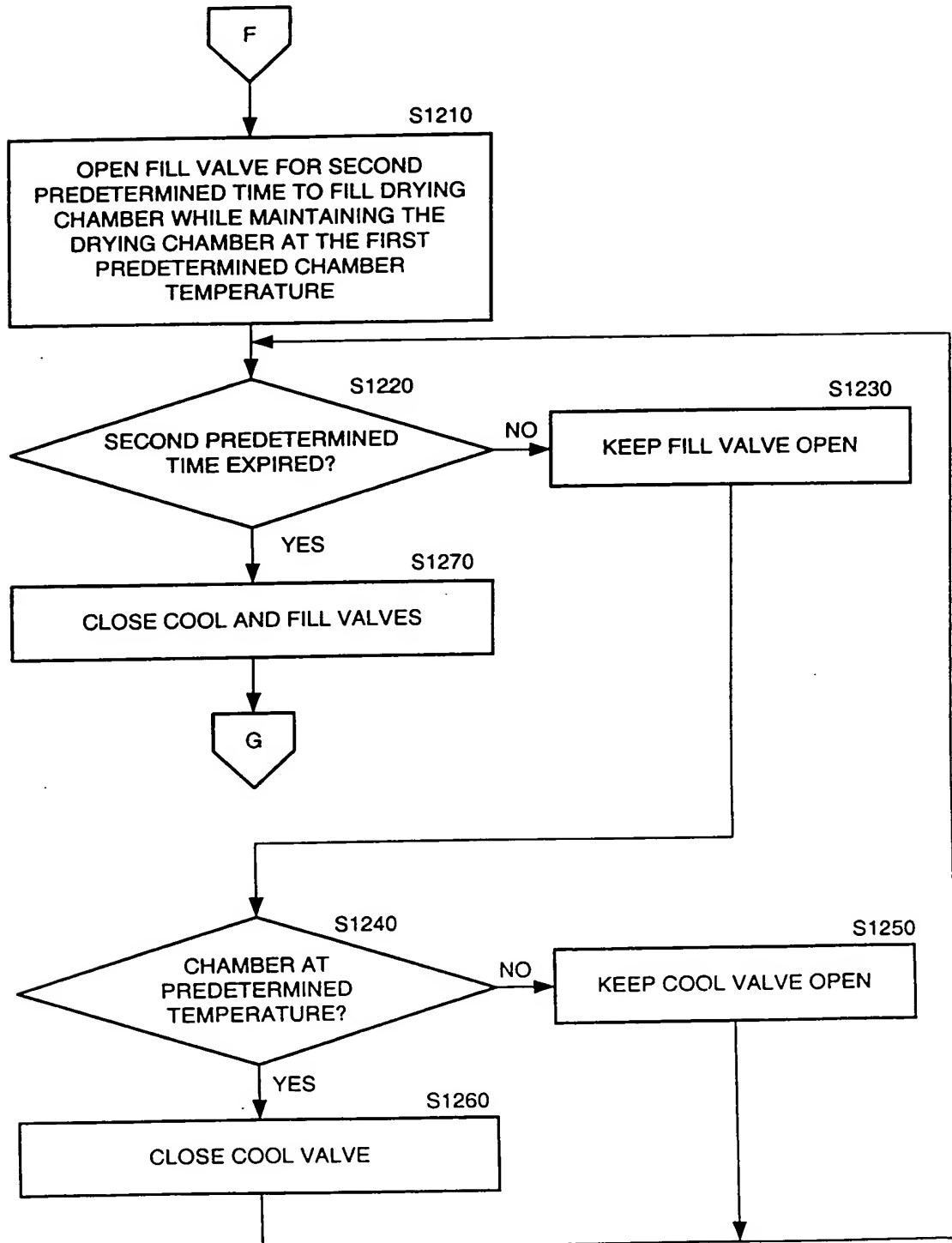


FIG. 15D

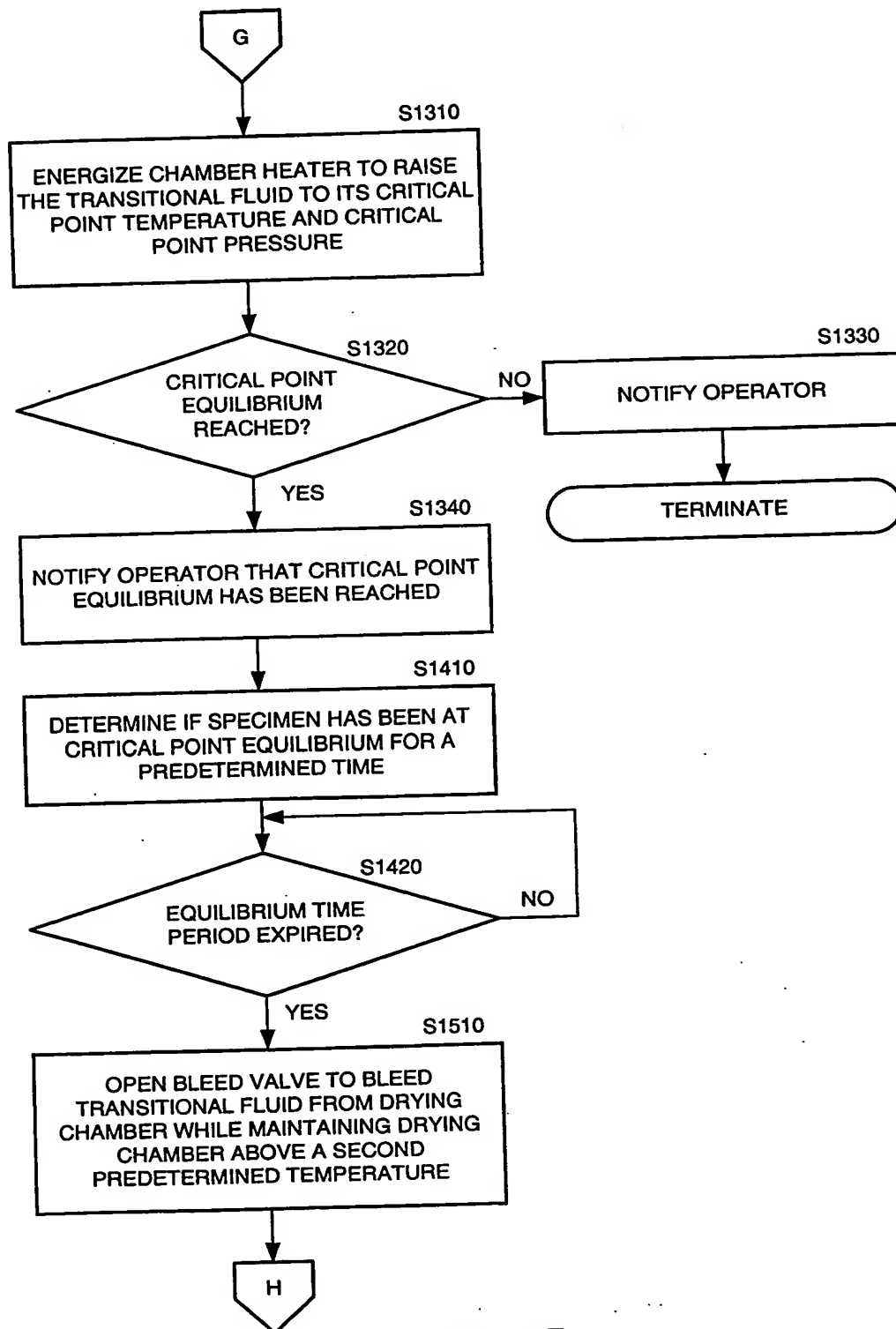
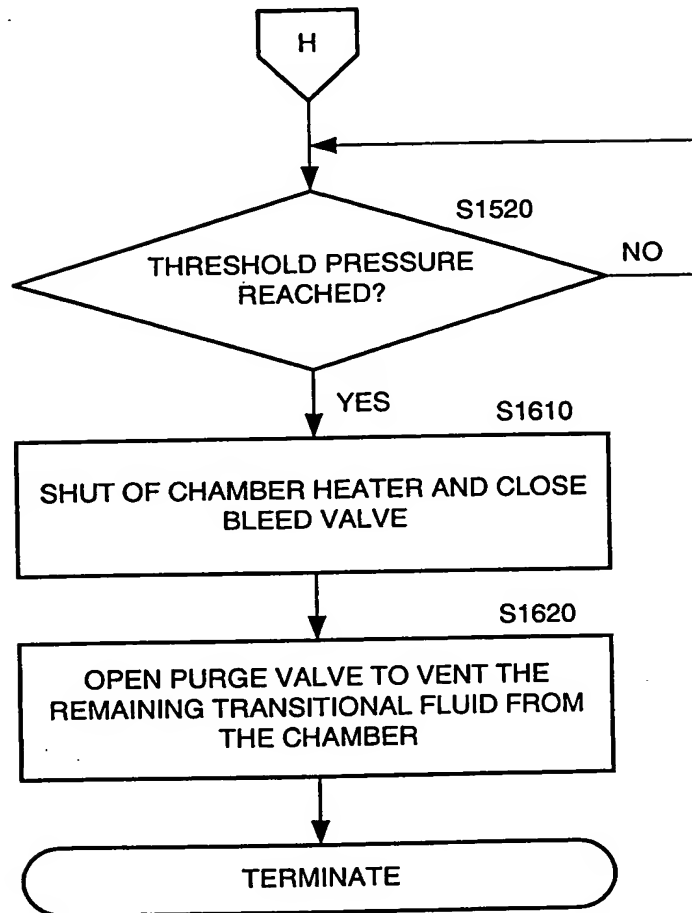


FIG. 15E



**FIG. 15F**

MODE	COOL VALVE	FILL VALVE	PURGE VALVE	BLEED VALVE	VALVE OPERATIONS
COOL	OPEN	CLOSED	CLOSED	CLOSED	COOL VALVE STAYS OPEN UNTIL CHAMBER TEMPERATURE < 5° C
FILL (1)	AS NEEDED	OPEN	CLOSED	CLOSED	PRESET BASED ON CHAMBER SIZE; COOL VALVE CYCLES TO KEEP CHAMBER TEMPERATURE < 5° C
PURGE	AS NEEDED	OPEN	OPEN	CLOSED	PRESET BY OPERATOR; COOL VALVE CYCLES TO KEEP CHAMBER TEMPERATURE < 5° C
FILL (2)	AS NEEDED	OPEN	CLOSED	CLOSED	PRESET BASED ON CHAMBER SIZE; COOL VALVE CYCLES TO KEEP CHAMBER TEMPERATURE < 5° C
HEAT	CLOSED	CLOSED	CLOSED	CLOSED	
BLEED	CLOSED	CLOSED	CLOSED	OPEN	BLEED VALVE CLOSSES WHEN PRESSURE < 400 PSI
VENT	CLOSED	CLOSED	OPEN	CLOSED	PURGE VALVE STAYS OPEN UNTIL POWER IS TURNED OFF

FIG. 16